Fraser Brooks
M.Sci Computer Science Graduate

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Education

- **University of Birmingham** . . . . Birmingham, UK
  M.Sci Computer Science (1st class, 4.0 GPA)   2016-2021

- **Strode College, Street** . . . . Somerset, UK
  A-Level Maths (A), Software Engineering Extended Diploma (D*D*D*)   2016

Projects / Technical Experience

Java, Haskell, Python, C++	OOP and Functional Programming	Git & Version Control
Test-Driven Development	SQL / Relational Databases	LaTeX, Word, Adobe Suite
Web Design & Graphic Design	HTML5/CSS/JavaScript	CI, CD, AWS & Firebase

- Submitted and merged a patch into a large scale open-source software project — the Haskell master branch. Specifically a bugfix, with integration test, for the cabal-install build automation & package management tool.

- Years of experience with Java through numerous projects including but not limited to a multiplayer game project and robotics project at university, as well as several android apps created during my spare time.

- Python experience via some simple games written with the pygame library and numerous projects at university including a machine learning project and a robotics project.

- Designed a portfolio site/blog using HTML5, SCSS, & TypeScript, utilising a Haskell static site generator for automatic compilation & delivery of posts to the site. Currently live at fraserbrooks.io via AWS amplify.

Work Experience

University of Birmingham, School of Comp. Sci. - Lab Demonstrator . . 2019-20

Worked as a demonstrator assisting lecturers with teaching duties in the databases (2018-19) and functional programming (2019-20) courses; guiding lower year students through the course material during lab sessions.

University of Birmingham, Jiu-Jitsu Club - Secretary then Captain 2019-21

Elected secretary then captain of the university Jiu-Jitsu club. Responsibilities across these two years included risk assessments, overseeing recruitment, budget, and our social media strategy, and organising and encouraging our club's participation in several national competitions — as well as competing myself.

Samsung - Sales Consultant 2015-16

A marketing push by Samsung that had us stationed in retail phone stores across the UK following training in London. The primary responsibility was to convince customers to choose a Samsung phone for their new handset over Samsung's competitors.

Despite an unfortunate clash of motives between myself and the retail staff - they were paid commission on iPhones but not on Samsung phones - I was able to consistently meet sales targets via negotiating with and supporting store management to gain incremental sales opportunities.